

**FURTHER DEFINITION OF SCOPE OF WORK
BETWEEN
ADVANCED MIXED WASTE TREATMENT PROJECT
AND
IDAHO CLEANUP PROJECT (CWI)
FOR
INTERNAL AND EXTERNAL DOSIMETRY SERVICES**

1.0 PURPOSE

The primary purpose of this Scope of Work (SOW) is to define services to be provided, when necessary, by Radiological Dosimetry and Records (RDR) operated by CH2M-WG Idaho, LLC (CWI) for dosimetry services necessary to monitor the personnel at the Advanced Mixed Waste Treatment Project (AMWTP) for exposure to ionizing radiation.

This SOW does not create legal rights or obligations, impose legal obligations on any party hereto, or confer legal rights on any party hereto or any third party.

2.0 ORGANIZATION

The AMWTP RCM or designee is the primary point of contact for all AMWTP radiological issues. The AMWTP RCM or designee will work directly with the RDR organization management to address issues associated with this SOW. Management of RDR services remains within the RDR management structure.

3.0 ASSUMPTIONS

- 3.1 RDR and AMWTP Radcon organizations agree to share appropriate information in a timely manner.
- 3.2 RDR personnel training and qualification is in compliance with the requirements listed in 10 CFR 835 subpart J, Radiation Safety Training.
- 3.3 Changes to this SOW must be approved by both AMWTP and RDR management.
- 3.4 Any services not specified within this SOW must be negotiated and coordinated between AMWTP and ICP and appropriately documented.
- 3.5 Services conducted by RDR employees at the AMWTP will be done in accordance with the AMWTP work control processes.

4.0 SCOPE AND APPLICABILITY

This SOW has been formulated to provide for RDR support to AMWTP when necessary for monitoring personnel exposure to ionizing radiation. This agreement will be reviewed one year from the date of signing and will be reviewed on an annual basis thereafter.

5.0 RESPONSIBILITIES

5.1 AMWTP

- (1) Determine personnel monitoring needs for internal, external, and area monitoring dosimetry in accordance with the AMWTP RPP.
- (2) Request from RDR the materials necessary to accomplish the monitoring needs (i.e. TLD badges, extremity dosimeters, bioassay sample kits, etc.) at least 3 weeks prior to the beginning of the anticipated wear period.
- (3) Administer to and collect from, the dosimetry materials necessary for individual and area monitoring.
- (4) Return dosimetry material to RDR for processing in a timely fashion using the protective cases provided by RDR.
- (5) Conduct all dose investigations and estimates for lost, damaged, or stolen dosimetry and for any situation where improper dosimetry was prescribed by AMWTP. Forward results of these investigations to RDR for inclusion in the individual's permanent dosimetry record.
- (6) Conduct all dose investigations and estimates for indications of internal exposure and forward the results to RDR for inclusion in the individual's permanent dosimetry record.

5.2 RDR

- (1) With respect to personnel dosimetry records and reports, individuals' Total Effective Dose Equivalent (TEDE) shall be determined in accordance with 10 CFR 835.203 (a)
- (2) ICP shall make determinations of the effective dose equivalent using the weighting factors provided in 10 CFR 835.2, in accordance with 10 CFR 835.203 (b)
- (3) With respect to non-uniform exposures of the skin from x-rays, beta radiation, and /or radioactive material on the skin, personnel dosimetry records and reports shall be in accordance with 10 CFR 835.205 (a) and (b)
- (4) RDR shall maintain accreditation from the DOE Laboratory Accreditation Program for Personnel Dosimetry in accordance with 10 CFR 835.402 (b)
- (5) RDR shall maintain accreditation from the DOE Laboratory Accreditation Program for Radiobioassay in accordance with 10 CFR 835.402 (d)
- (6) Maintain personnel dosimetry records in accordance with 10 CFR 835.702 (a), (b), (c), (d), (e), (f), (g), (h), & 703 (a) & (b).

- (7) RDR shall support the AMWTP in providing reports to individuals as required by 10 CFR 835.801 (a), (b), (c), & (d)
- (8) Provide nuclear accident dosimetry that meets the requirements of 10 CFR 835.1304 (b)
- (9) Provide dosimetry reports to AMWTP in the standard format provided to the INL and ICP. Requests for any reports outside the stand format will be considered a separate request at additional charge and a mutually agreed upon schedule

6.0 FUNDING

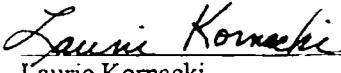
BBWI funds the services that it purchases from CWI through the mechanism of a Blanket Purchase Order.(BPO). The BPO C05-000002 provides for the purchase by BBWI of a variety of CWI services including dosimetry related services. See activities CWI-AMWTP-7 (External Dosimetry) and CWI-AMWTP-8 (Internal Dosimetry). The BPO also provides for the purchase of short term low dollar value services via the mechanism of Task Baseline Agreements (see activity CWI-AMWTP-19).

Approved by:

Advanced Mixed Waste Treatment Project

Idaho Cleanup Project

 9/28/06
 Lee Sygitorwicz Date
 BBWI Environmental, Security, Safety and Health Manager

 9/29/06
 Laurie Kornacki Date
 ICP Radiation Dosimetry & Records Manager